



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Henry A. Hill
Serial No. : 10/734,994
Filed : December 12, 2003
Title : IN-PROCESS CORRECTION OF STAGE MIRROR DEFORMATIONS DURING A
PHOTOLITHOGRAPHY EXPOSURE CYCLE

Art Unit : 2851
Examiner : Peter B. Kim

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

This statement is being filed after a first Office action on the merits, but before receipt of a final Office action or a Notice of Allowance. A check for \$180 in payment of the late submission fee of §1.17(p) is enclosed. Please apply any other charges or credits to Deposit Account No. 06-1050, referencing 09712-208001.

Respectfully submitted,

Date: 1/23/06

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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

1-24-06

Date of Deposit

Signature

CHERYL A. FORREST

Typed or Printed Name of Person Signing Certificate

01/26/2006 CCHAU1 00000024 10734994

02 FC:1806

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Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
09712-208001Application No.
10/734,994**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

Applicant
Henry A. HillFiling Date
December 12, 2003Group Art Unit
2851**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	2005/0248772	11/2005	Hill et al.			
	AB	2005/0237536	10/2005	Hill			
	AC	2004/0046965	03/2004	Hill			
	AD	2003/0090675	05/15/03	Fujiwara			
	AE	2003/0035114	02/2003	Hill			
	AF	2002/0089671	07/11/02	Hill			
	AG	2002/0048026	04/25/02	Isshiki et al.			
	AH	2002/001086	01/03/02	de Groot			
	AI	6,839,141	1/4/2005	Hill			
	AJ	6,813,022	11/2004	Inoue			
	AK	6,738,143	05/18/04	Chu			
	AL	6,710,884	03/2004	Hill			
	AM	6,700,665	03/2004	Hill			
	AN	6,541,759	04/01/03	Hill			
	AO	6,417,927	07/09/02	de Groot			
	AP	6,384,899	05/07/02	den Boef			
	AQ	6,330,105	12/11/01	Rozelle et al.			
	AR	6,330,065	12/11/01	Hill			
	AS	6,327,039	12/04/01	de Groot et al.			
	AT	6,304,318	10/16/01	Matsumoto			
	AU	6,252,668	06/26/01	Hill			
	AV	6,252,667	6/26/2001	Hill			
	AW	6,246,481	06/12/01	Hill			
	AX	6,236,507	05/22/01	Hill et al.			
	AY	6,219,144	04/17/01	Hill			
	AZ	6,208,424	03/27/01	de Groot			
	AAA	6,201,609	03/13/01	Hill et al.			

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09712-208001	Application No. 10/734,994
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Henry A. Hill	
		Filing Date December 12, 2003	Group Art Unit 2851

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	BA	6,181,420	01/30/01	Badami et al.			
	BB	6,160,619	12/12/00	Magome			
	BC	6,159,644	12/12/00	Hidetoshi			
	BD	6,157,660	12/05/00	Hill			
	BE	6,137,574	10/24/00	Hill			
	BF	6,124,931	9/26/00	Hill			
	BG	6,046,792	04/04/00	Van Der Werf et al.			
	BH	6,040,096	03/21/00	Kakizaki			
	BI	6,008,902	12/28/99	Rinn			
	BJ	5,970,077	10/19/99	Hill			
	BK	5,951,482	09/14/99	Winston et al.			
	BL	5,917,844	06/29/99	Hill			
	BM	5,877,843	03/02/99	Takagi et al			
	BN	5,862,164	01/19/99	Hill			
	BO	5,838,485	11/17/98	De Groot et al.			
	BP	5,801,832	09/01/98	Van Der Brink			
	BQ	5,781,277	07/14/98	Iwamoto			
	BR	5,757,489	05/26/98	Kawakami			
	BS	5,757,160	05/26/98	Kreuzer			
	BT	5,764,362	06/09/98	Hill et al.			
	BU	5,757,489	5/26/98	Kawakami			
	BV	5,757,160	05/26/98	Kreuzer			
	BW	5,724,136	03/03/98	Zanoni			
	BX	5,715,057	02/03/98	Bechstein et al.			
	BY	5,663,893	09/02/97	Wampler et al.			
	BZ	5,663,793	09/02/97	de Groot			
	BAA	5,491,550	02/13/96	Dabbs			

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Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09712-208001	Application No. 10/734,994
	Applicant Henry A. Hill		
	Filing Date December 12, 2003	Group Art Unit 2851	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	CA	5,483,343	01/09/96	Iwamoto et al.			
	CB	5,408,318	04/18/95	Slater			
	CC	5,404,222	04/04/95	Lis			
	CD	5,331,400	07/19/94	Wilkening et al.			
	CE	5,064,289	11/12/91	Bockman			
	CF	4,948,254	08/14/90	Ishida			
	CG	4,881,816	11/21/89	Zanoni			
	CH	4,859,066	08/22/89	Sommargren			
	CI	4,802,765	02/07/89	Young et al.			
	CJ	4,790,651	12/13/88	Brown et al.			
	CK	4,711,573	12/08/87	Wijntjes et al.			
	CL	4,662,750	05/07/87	Barger			
	CM	4,606,638	08/19/86	Sommargren			
	CN						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	CO	JP 9-280822	10/31/97	Japan			Abstract Only	
	CP	JP 9-178415	07/11/97	Japan			Abstract Only	
	CQ	JP 8-117083	04/15/96	Japan			Abstract Only	
	CR							
	CS							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	CT	Badami et al. "Investigation of NonLinearity in High Accuracy Heterodyne Laser Interferometry." American Society for Precision Engineering, 1997 Proceedings, 16, pp. 153-156, 1997.

Examiner Signature	Date Considered
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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	DA	Bennett, S.J. . "A Double-Passed Michelson Interferometer." Optics Communications, 4:6, pp. 428-430, 1972.
	DB	Bobroff, Norman. "Recent advances in displacement measuring interferometry." Meas. Sci. Technol. 4, pp. 907-926, 1993.
	DC	Bobroff, Norman. "Residual errors in laser interferometry from air turbulence and nonlinearity." Applied Optics, 26:13, pp. 2676-2686, 1987.
	DD	Hines et al. "Sub-Nonometer Laser Metrology – Some Techniques and Models. ESO Conference on High-Resolution Imaging by Interferometry II, pp.1195-1204, 1991
	DE	Mauer, Paul. "Phase Compensation of Total Internal Reflection." J. Opt. Soc. Am., 56:9, pp. 1219-1221, 1966/
	DF	Oka et al. "Polarization heterodyne interferometry using another local oscillator beam." Optics Communications, 92, pp. 1-5, 1992.
	DG	Player, M.A. "Polarization properties of a cube-corner reflector." J. Mod. Opt., 35:11, pp. 1813-1820, 1988
	DH	Wu et al. "Analytical modeling of the periodic nonlinearity in heterodyne interferometry." Applied Optics, 37:28, pp. 6696-6700, 1998.
	DI	
	DJ	

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